

What is claimed is

1. An electronic measuring or control device for watering plants,
comprising
at least one electronic moisture sensor (1, 1') based on a moisture-sensitive capacitor (5, 5') for measuring the moisture of the soil, having a dielectric (8) whose dielectric constant changes when moisture penetrates into it.
2. A measuring or control device according to claim 1, **comprising** a moisture-releasing and absorbing dielectric (8), especially in the form of a glass fiber mat.
3. A measuring or control device according to claim 1, **wherein** the capacitor (5) of the moisture sensor has an outer tube-like capacitor terminal (6) and an inner capacitor terminal (7) of round cross section, between which the dielectric (8) is arranged accessible from outside to moisture.
4. A measuring or control device according to claim 3, **wherein** the capacitor terminals (6, 7) are formed by a thin aluminum foil.
5. A measuring or control device according to claim 1, **wherein** the capacitor (5') of the moisture sensor is implemented as a plate capacitor having two capacitor plates (6', 7') and a dielectric (8) arranged between them accessible to moisture.

6. A measuring or control device according to claim 3, **wherein** the dielectric (8) is accessible to moisture via openings (4) in at least one of the capacitor terminals (6, 7; 6', 7').
7. A measuring or control device according to claim 1, **wherein** the moisture sensor (1, 1'), for ease of insertion into a root ball of a plant, is provided with a sharpening (3).
8. A measuring or control device according to claim 1, **wherein** the moisture-based signal of the moisture sensor (1, 1') can preferably be measured and evaluated by means of microprocessor-based electronics (14).
9. A measuring or control device according to claim 8, **wherein** it is provided with an interface (17) for transmission of individual plant-specific parameters, such as especially watering data, to the electronics (14), and/or for readout of statistical data, such as watering times.
10. A measuring or control device according to claim 8, **wherein** a display (18, 19, 20) for visual representation of the measured values can be activated by means of the electronics (14) in accordance with the individual plant-specific parameters.

11. A measuring or control device according to claim 8, **wherein** threshold values for the visualization of a watering need or cessation of watering can be set in the electronics (14) by means of a variable or fixed resistance circuit.
12. A measuring or control device according to claim 8, **comprising** a temperature sensor (35) for measuring the ambient temperature.
13. A measuring or control device according to claim 8, **comprising** an integrated watering valve (22) that can be activated by the electronics (14) for watering of the plant.
14. A measuring or control device according to claim 13, **comprising** a water reservoir (25) for supplying the watering valve (22), the fill level of the water reservoir (25) being monitorable by the electronics (14) by means of a fill-level sensor (26).
15. A measuring or control device according to claim 8, **comprising** a liquid-fertilizer reservoir (32) and an integrated fertilizer valve (33) supplied by it that can be activated by the electronics (14) in parameterizable intervals.
16. A measuring or control device according to claim 1, **comprising** a pH sensor (34) for measuring the pH of the plant soil of the plant being monitored by the measuring and/or control device.

17. An electronic moisture sensor (1, 1') especially for use in a measuring or control device (12, 21) for watering of plants according to the characterizing portion of at least claim 1.